PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE RECONSTRUCTION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 235 AND SHADY MILE DR. /OLD ROLLING RD. IN ST. MARY'S COUNTY. THE WORK IS NECESSITATED BY THE WIDENING ALONG SHADY MILE DRIVE. THE PROJECT WILL BE PROVIDING SOUTHBOUND DOUBLE LEFT TURN LANES ONTO SHADEY MILE DR. MD 235 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH A DOUBLE EXCLUSIVE LEFT TURN PHASE FOR N.B. AND S.B. MD 235. THE SIDE ROADS OPERATE WITH SPLIT SIDE ROAD PHASING.

INTERCONNECT NOTE:

THE EXISTING OVERHEAD TRAFFIC SIGNAL INTERCONNECT CABLE (NORTH) WILL BE REMOVED AND REPLACED WITH NEW CABLE FROM THE INTERSECTION CONTROLLER CABINET AT MD 235 AND MD 4. THE EXISTING OVERHEAD INTERCONNECT CABLE (SOUTH) FROM TOWN CREEK RD. SIGNAL CABINET WILL BE DISCONNECTED AND REPOUTED INTO THE NEW CONTROLLER CABINET

MR. JOHN MAYS

ASSISTANT DISTRICT ENGINEER - MAINTENANCE

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN

ASSISTANT DISTRICT ENGINEER - TRAFFIC

(410) 841–1003

(410) 841-1002

MR. JOE HORTY

ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 841-1005

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS

MR. EUGENE BAILEY CHIEF SIGN OPERATIONS (410) 787-7676

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF,

(410) 787-7630

MS. DARLENE EIDE SUPPLY OFFICE

TRAFFIC OPERATIONS (410) 787-7631

CHIEF, SIGNAL SHOP WAREHOUSE (410) 787-7668

MR. ED RODENHIZER CHIEF SIGNAL OPERATIONS (410) 787-7652

APS NOTES

TO CROSS MD 235

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS THREE NOTCH AT SHADY MILE."
- B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE

TO CROSS SHADY MILE DR.

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS SHADY MILE AT THREE NOTCH."
- B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

EQUIPMENT LIST "B"

NONE

1 EA

2 EA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

DESCRIPTION <u>QUANTITY</u>

1 EA MAINTENANCE OF TRAFFIC 2 CY TEST PIT EXCAVATION 12.3 CY CONCRETE FOUNDATION

200 LF 12 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS 130 LF 24 IN. WHITE HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS

30 EA 12 INCH LED SIGNAL HEAD SECTION

1 EA AUDIBLE /TACTILE PEDESTRIAN PUSHBUTTON AND SIGN 2 EA BREAKAWAY PEDESTAL POLE

1 EA 2-WIRE CENTRAL CONTROL UNIT

1 EA L.E.D. 16 IN. COUNTDOWN PEDESTRIAN 1 EA

16.5 FT. SPECIAL "T" MAST ARM POLE & 70 FT. MAST ARM 1 EA

27 FT, MAST ARM POLE & 70 FT, MAST ARM

15 FT. STREET LIGHTING ARM

1 EA 250 WATT HPSV LUMINAIRE AND LAMP WITH PHOTOCELL з ЕА NONINVASIVE MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN CABLE

LS REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

1 EA VIDEO DETECTION CAMERA WITH 100 FT. LEAD-IN CABLE

4 EA VIDEO DETECTION CAMERA WITH 300 FT. LEAD-IN CABLE 1 EA VIDEO DETECTION CAMERA WITH 500 FT. LEAD-IN CABLE

4200 LF 12-PAIR COMMUNICATION CABLE

225 LF DISCONNECT, PULL BACK AND REROUTE CABLE

115 LF 4 IN.SCHEDULE 80 RIGID PVC CONDUIT- BORED

600 LF 4 IN.SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED 82 LF

3 IN.SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED 40 LF 3 IN.SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED

75 LF 2 IN.SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED 350 LF NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

1 EA METERED SERVICE PEDESTAL EMBEDDED 10 LF ELECTRICAL CABLE 1 -- CONDUCTOR NO. 4 AWG - THHN /THWN

ELECTRICAL HANDHOLE 6 EA

170 LF ELECTRICAL CABLE 2 - CONDUCTOR (NO. 14 AWG) 250 LF ELECTRICAL CABLE 2 - CONDUCTOR (NO. 12 AWG) TRAY CABLE

255 L**F** ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 AWG)

ELECTRICAL CABLE 7 - CONDUCTOR (NO. 14 AWG) LOCAL AND MASTER CONTROLLER AND CABINET - BASE MOUNT 1 EA

3/4 IN. X 10 FT. GROUND ROD

D-3(1) (VAR X 16") DUAL FACE SIGN - MAST ARM MOUNT

2 EA SHIELD ASSEMBLY (30" X 51") - POLE MOUNT

SHIELD ASSEMBLY (48" X 75") - POLE MOUNT 5 EA

R3-5L (30" X 36") SIGN - MAST ARM MOUNT 1 EA

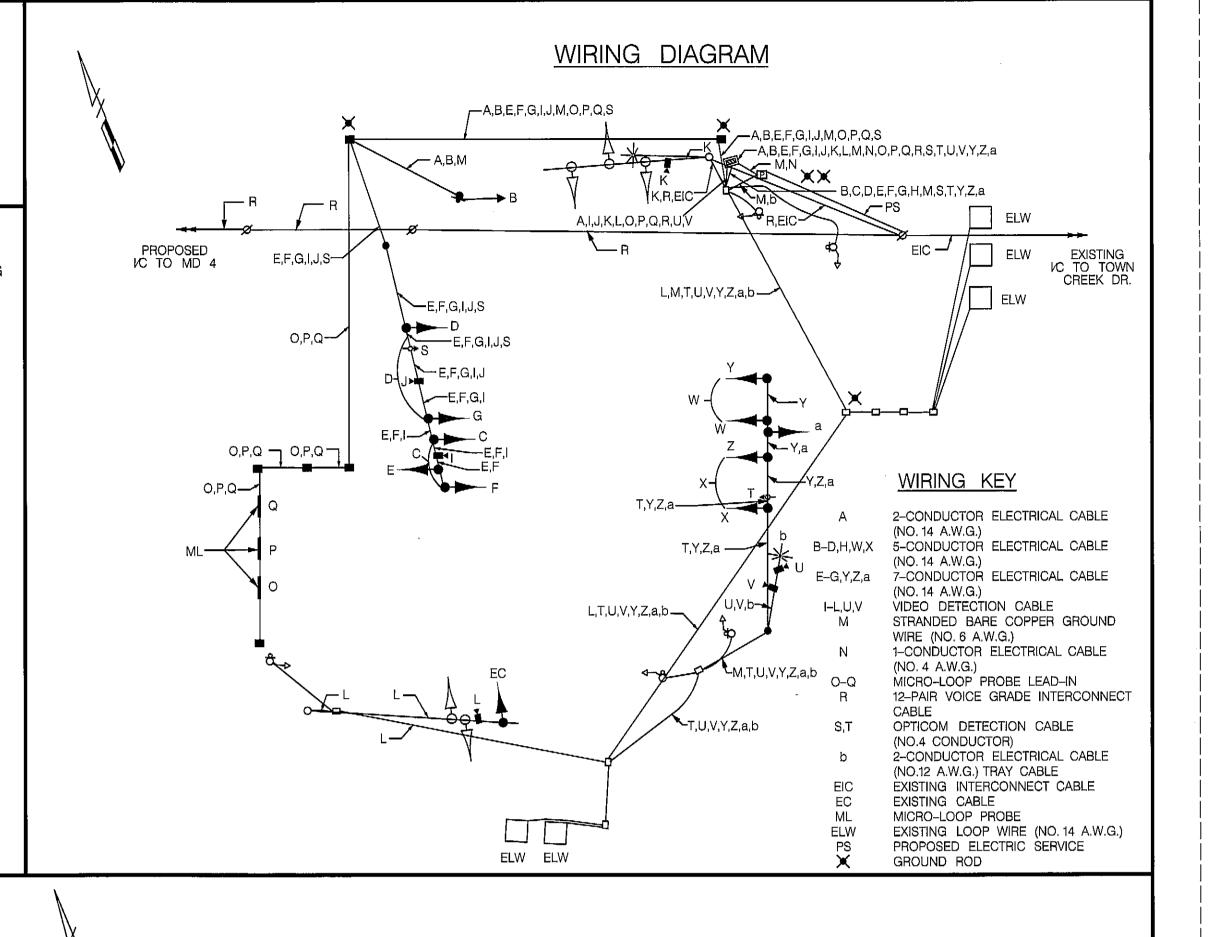
R3-5R (30" X 36") SIGN - MAST ARM MOUNT

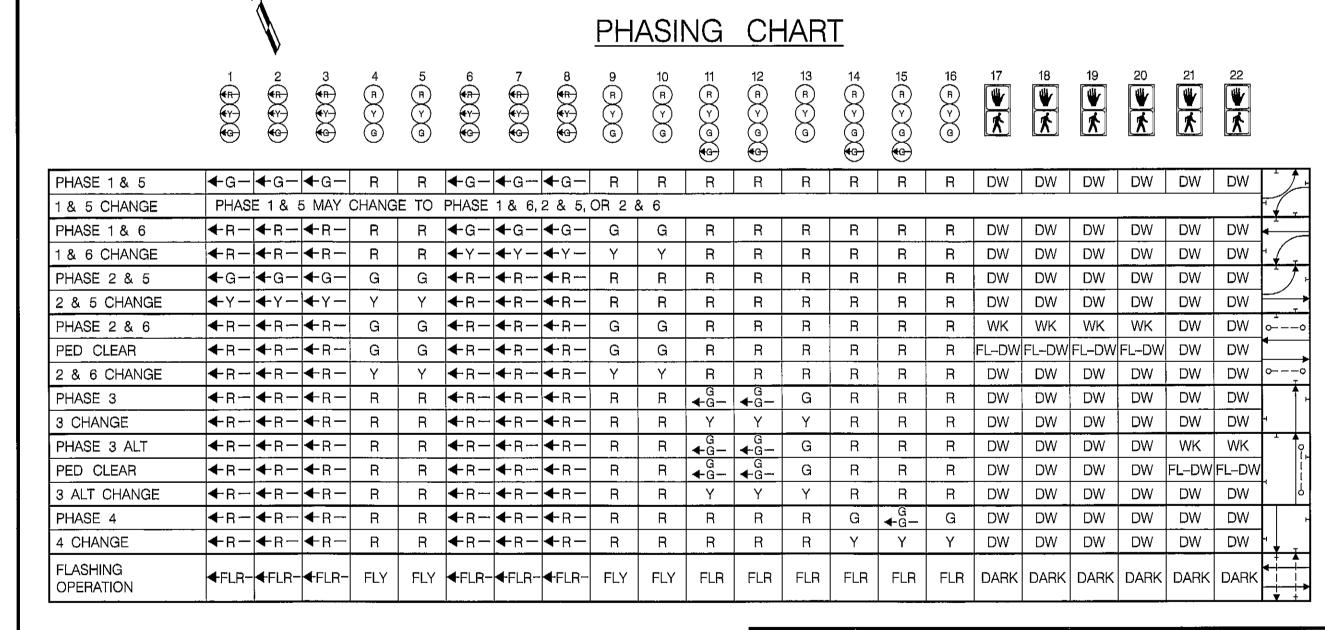
2 EA FURNISH AND INSTALL 3 IN. WEATHERHEAD

2 EA OPTICOM DETECTOR EYE NO. 721 OPTICOM DETECTOR CABLE (NO. 4 CONDUCTOR)

1 EA OPTICOM DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764 1 EA

RELOCATE EXISTING SIGNAL HEAD





EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076, THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.

NONE

QUANTITY

DESCRIPTION

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY

GENERAL INFORMATION PLAN MD 235 (THREE NOTCH ROAD) AND OLD ROLLING ROAD/SHADY MILE DRIVE

TRAFFIC ENGINEERING DESIGN DIVISION

AFFIC CONCEPTS, INC.	SCALE NONE	DATE	1–14–09	CONTRACT NO. BW99	6M82
325 Gambrills Road	DESIGNED BY	S. RENZI	_ COUNTY	ST. MARY'S	
Suite B	DRAWN BY	J.K. SCHMID	_ LOGMILE	18023515.88	,
Gambrills, MD 21054	CHECKED BY	K. SCHMID	_ T.I.M.S. NO.	1969	<u></u>
(410) 923–7101	F.A.P. NO	N/A	_ TOD NO.		
FAX: (410) 923-6473 TRAFFIC@TRAFFIC-CONCEPTS.COM	DRAWING NO.	TS-3066 GI		SHEET NO. 2 OF	F 2
D: Tuesday March 17, 2009 AT 02:10 PM	_		_		-

D: Tuesday, March 17, 2009 AT 02:10 PM M:\2200\2281\Signal\DGN\signal-6-08.dgn

BECOME THE PROPERTY OF THE CONTRACTOR.